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BS News

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MAY/JUNE 1992

BSNews

IRISH BUILDING SERVICES NEWS

Building Regs Spell Business Boost

While there are some who bemoan the introduction of the Building Regulations on 1 June last as an unwelcome imposition on their businesses, the reality is that they contain a wealth of profitable growth opportunities for those clever and professional enough to identify and seize them.

Serious professionals have no cause for concern or to question the objective of the new Regulations which were devised specifically to promote good and caring building practice.

Yes, they are obligatory and the Minister for the Environment, Mr Michael Smith, TD, has made it clear that they will be vigilantly enforced. However, the Minister has also established a Building Regulations Advisory Body whose brief is to monitor the application and interpretation of the Regulations with a view to making suggestions — including that of revisions — where appropriate.

There are 18 sitting members of the Advisory Body who are drawn from all sectors of the construction industry. Michael Buckley of Buckley & Downie represents the building services sector.

He has already studied the Regulations in depth and told *BSNews* as we went to press that the building services sector has nothing to fear. "In fact", he said, "I see that the new Regulations present our



Michael Buckley, Buckley & Downie.

industry with a great many opportunities.

"Moreover, it is easy to identify these opportunities because of the vastly-simplified format in which they are written. All the detailed technical content has been sifted out of the Regulations into 12 'Technical Guidance Documents'. These are written and presented in plain and direct language as opposed to 'legalese' which is so very often the case.

"Of the 12 documents, seven have a direct bearing on building services. These are B — Fire (by far the largest); E — Sound; F — Ventilation; G — Hygiene; H — Drainage & Waste Disposal; J — Heat Producing Appliances; and L — Conservation & Fuel Efficiency.

"I urge all those involved in building services to acquire a full set of the explanatory 'Technical Guidance Documents' immediately; to study them in depth; to discuss them with your

colleagues; and to formulate a view on the Regulations which can be conveyed to me. I will then collate all such information and ensure that the opinions, concerns and suggestions of the building services sector are fully expressed at Advisory Body level".

As the foregoing illustrates, the newly-introduced Building Regulations will undoubtedly have a major impact on the

building services industry. However, as Michael Buckley has pointed out, they also contain a vast business opportunity if approached in a positive and constructive manner.

ISO 2002 For Kingspan GSP

Kingspan GSP — part of the kingspan Group plc based in Carrickmacross — has been awarded the BS5750/ISO 9002 Certificate for Quality Assurance for their plastic oil storage tanks and "Polyflex" pipe insulation operations. Full report next month.

CHAPPEE ON THE GREEN



John English, Managing Director, Hevac with Sean Giffney, A&S Giffney and Gerry O'Reilly, owner, "The Green Room". See page 6.

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Building Services News*

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Association;
The Institute of Domestic Heating Engineers
(IDHE);
The Registered Heating Contractors
Association; The Maintenance, Energy &
Environmental Technology Association
(MEETA) which incorporates energy
managers and maintenance managers;
The Energy Conservation & District Heating
Association; The Institute of Plumbing;
The Irish Home Builders Association (IHBA);
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In addition, Irish Building Services News
circulates to independent building services
contractors and key executives in industry,
Government, Semi-State and local authority
bodies. Essentially, our circulation is virtually
saturation coverage of all those with an
interest and/or involvement in the industry.

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Paddy Clonan with Gerry Phelan at the GT Phelan/Toshiba Outing. See page 4.

TRADE NEWS

FKM — 'Third Reincarnation'

While reincarnation is not quite the correct description in the literal sense to describe the latest ownership change at FKM Engineering Ltd, it does nonetheless illustrate the continuity the recent management buy-out entails.

Under the new set-up there are now five shareholding directors of FKM, all of whom have worked for the company for varying lengths of time. That history should repeat itself so to speak is not all that surprising considering that Dick McElligott — who up to the recent buy-out held a majority shareholding — himself conducted a similar "in-house" management buy-out many years ago.

Hence the "third reincarnation" reference.

Paddy Delaney and Tom Murray have each held a shareholding in FKM for quite some time now and their position remains unaltered. However, Brendan Griffin, Matt Mohan and Joe McKenna have acquired an equal part each of the shareholding formerly held by Dick McElligott.

Mr McElligott remains as company Chairman and, contrary to what is generally believed, will retain an active role in the running of the business. While acknowledging the significance of the development he is — true to form — content to stand

focus of attention falls on the new company owners.

Obviously, the decision-making process and day-to-day management of the company will change but continuity is assured in that all five new owner-directors have worked with FKM for some time and have had a hand in determining and implementing operational policy.

In the social sense FKM has always kept a fairly low profile but, as its £7.5 million turnover for last year amply testifies, it is very much in evidence on the professional front. It is becoming more and more renowned as a "clean room" specialist but, in practice, an examination of the projects completed and in hand by the company point to a professional capability right across the full spectrum of mechanical services contracting.

FKM Ltd employs approximately 100 people in all with offices in Dublin, Limerick and Frankfurt.

The German office was established about two years ago and, to date, the operation has proved highly successful. There are currently about a dozen people employed by the company in Germany, the intention being to bring that up to perhaps 20. To date they have concentrated on the "West" but just recently the Frankfurt office won the

services contract for a major 300-bed hotel project in the "East".

Nonetheless, while conceding that involvement in Europe is essential for the company's future development and security, there are no plans for FKM Ltd to become a major

international player.

All five directors are unanimous in their belief that Ireland is the core of the business and fully intend to maintain that position.

In a way, it's a case of "all change ... but no change".

Good Luck Declan

Declan Fitzmaurice (right) a regular contributor to *BSNews* over the last six months and our resident refrigeration expert through his employment with Thermo Logic, has left his former employer to take up a position with Cross Refrigeration in Northern Ireland. We wish you well Declan in your new position and hope that you settle in comfortably in your new environment.



Mark Eire Strengthen Sales Force

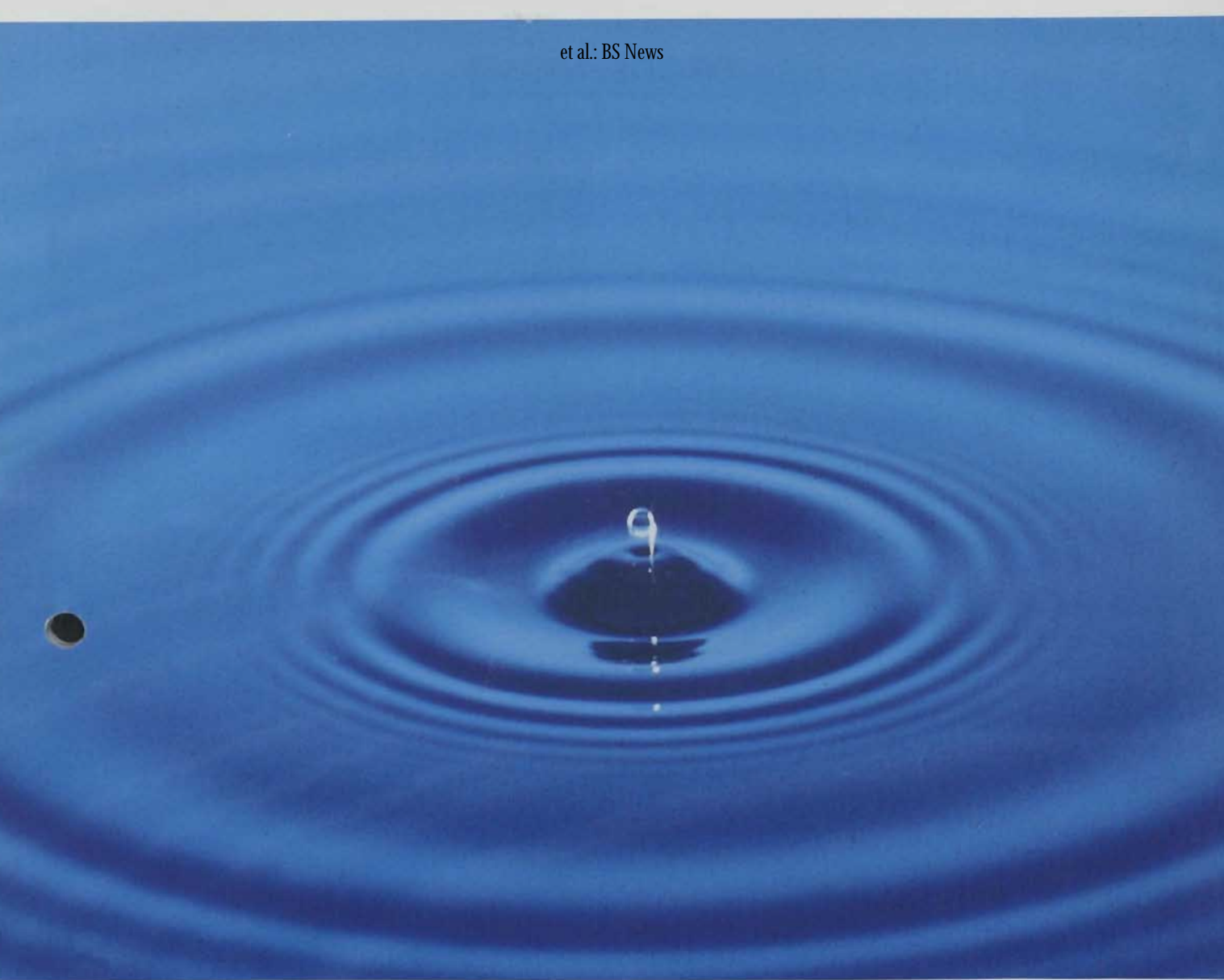
Maurice Byrne, Mark Eire Sales Executive for Dublin and the Eastern area of Ireland, is a native of Dublin and a graduate of Bolton Street College of Technology. He joined

Mark earlier this year and now heads the company's sales and marketing effort throughout Leinster.

Maurice worked extensively in the natural gas sector for Bord Gais Eireann as a Technical Sales Engineer before taking up his current appointment, where he has also spent a number of years in the



Pictured at the recent RIAI Fire Regulations Seminar, sponsored by Thermo Pack Ltd, were from left: Gerry Carr, Thermo Pack Ltd and Liz Allman, New Ireland Project Managers.



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...for the Glen Dimplex Sandpiper Environmental System.

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It's a single split and a modular system, which matches VRV performance with safe and simple water pipework. Refrigerants are banished from inside the building.

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The Dimplex Sandpiper – any other airconditioning just doesn't hold water.



TRADE NEWS

mechanical services and heating industry.

Maurice is very well informed on all aspects of Mark equipment and will offer advice to installers, consultant engineers and end users with respect to wiring, mechanical performance and installation.



Maurice Byrne

Maurice is supported from the Coolea Office by Michael Keane who produces quotations and works in the technical services area of the company. He has been employed with Mark BV in Holland for a number of years, as well as a test engineer in the Coolea factory.



Michael Keane

GT Phelan '21 Club'

Royal Dublin Golf Course was once again the venue for the GT Phelan/Toshiba annual golf tournament. The weather was glorious with the select band of participants who are invited to play in this prestigious event enjoying excellent golfing conditions.

As is now customary, the day began with introductions and buffet

lunch before the party adjourned for warm-up practice and the "target golf" competition.

The serious business of the day commenced at 2.30pm and comprised an 18-hole Stapleford, 3-ball, full handicap competition (maximum 21). Scoring was impressive throughout the day, reflecting just how keen participants are to win this annual event.

However, despite this competitive edge to the golf proper, the remainder of



Overall winner of the GT Phelan/Toshiba annual golf tournament at Royal Dublin was Frank Quigley. He is pictured here with Gerry Phelan and Ted Berry of Toshiba.



Derek Kerrigan, who took second place in the GT Phelan/Toshiba tournament.



Paddy Horgan receiving third prize from Gerry Phelan.

the day is purely a social occasion. There are even a few to whom the golf itself is nothing more than a social outing, but enough said of that!

Frank Quigley, playing off 19, emerged triumphant on the day with a fine score of 38pts while Derek Kerrigan took 2nd place with a score of 35pts playing off 8.

They are now invited to play in the Toshiba Tournament finals at Rio Real, Marbella, this coming Autumn.

Other prizewinners on the day were Paddy Horgan (H18) with 35 pts who took 3rd place and Pat Burke (H14) who took 4th place with 34pts.

Best gross was Gerry Hutchinson (H6) with 28pts; Front 9 — Joe Weafer (H9) with 20pts; Back 9 — Brendan Slattery

(H15) with 21pts.

Winner of the peripheral competitions were:-

Target — Ted Berry; Longest Drive — Paddy Clonan; Nearest Pin — Garvan Evans; Putting — Joe Hogan.

Formalities throughout the entire day are kept to a minimum with even the dinner and presentation of prizes being very relaxed. There are no speeches as such, save of course for the presence of Paddy Clonan this year who rose to his feet saying..."I feel a speech coming on".

As always, he regaled all before him with wonderful tales and stories and had his captive audience literally doubled over with laughter on occasions.

And so the day ended (eventually!).



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DESIGNED TO PROTECT ... BUILT TO PERFORM

Published by Andrew@TU Dublin, 1992

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TRADE NEWS

CIBSE NEWS

CIBSE Enterprise Region of the Year

The Republic of Ireland Branch of the Chartered Institution of Building Services Engineers has been awarded a special Enterprise Region of the Year Certificate by the Institution in acknowledgement of the number of new members it recruited to the CIBSE in 1991.

The Irish Branch, under the Chairmanship of Michael Buckley, recruited more new members per head than any other Region or Branch.

This is the first time the Certificate has been awarded and indeed, was inaugurated specifically to reward the Irish Branch for its achievement.

Intel Lecture and Visit

Ralph Cohen, PE Intel Senior Facilities Manager, delivered an address at the Engineers Club on 21 May last as part of the CIBSE programme for 1992.

The content of his paper covered the design and construction of an IC manufacturing facility. Concepts he addressed were the evolution of clean room design which led to the current configuration; a brief overview of site



John Cuthbert, CIBSE Vice-Chairman with John McGowan, Jacobs International Project Manager at Intel; Ralph Cohen, PE Intel Senior Facilities Engineer; and CIBSE Chairman John Purcell.



CIBSE group pictured at the Intel site for the Institution's technical visit

construction techniques; and details of the air, chilled water/heating water, fire protection, life safety and facility management systems.

The lecture was followed two days later by a technical visit to the Intel plant in Collinstown Industrial Estate, Leixlip, Co Kildare.

Chappee on The Green

Featured on the front cover of this issue of *BSNews* is one of Dublin's top restaurants, the Green Room at 119, St Stephens Green. What is the connection, you may ask, between the Green Room and this publication? The answer is quite simply Chappee cast iron radiators, selected by Gerry O'Reilly, proprietor of the Green Room, as the radiator heating choice for the very up-market dining establishment that is the Green Room today.

Mr O'Reilly was advised on

the selection of these radiators by the Mechanical Services Contractor, A&S Giffney. Sean Giffney of that company has been a long-time user of various types of cast iron radiators and felt quite strongly that the traditional style of the "Floreal" cast iron radiator was the ideal product for the very rich and luxurious setting of the Green Room restaurant, hospitality suites, and conference facilities.

The job demonstrates the vision of Sean Giffney and

Gerry O'Reilly in making this particular radiator choice, as the radiators provide a very elegant and classy enhancement of the luxurious setting within the Green Room complex.

The "Floreal" is available in a range of sizes, from 5 sections to 15 sections, with outputs from 913 kw to 2,738 kw respectively.

Apart from the "Floreal" radiator, Hevac also offer the "Dune" cast-iron traditional column-style radiator which is available in a comprehensive range of heights and depths to suit virtually any residential or commercial application.

Complementing the "Dune" and the "Floreal" is a more modern range of cast-iron radiators, including the "Carat", which is a very modern vertical flat surface cast-iron sectional radiator and is an ideal choice at the design stage for incorporating a stylish and spectacular radiator.

Also available in this modern style is the "Savane", again a modern flat surface cast-iron sectional radiator in many sizes, embodying all of the flexibility of the traditional cast iron column radiator with a modern clean line appearance.

All of the above radiators are available from stock or on short delivery from Hevac and there are radiators on display of all of the types mentioned above at their showrooms.

The staff of our commercial division, under the Managership of Martin Garvey, are available to answer specific technical enquiries on any of the aforementioned.

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For style and elegance with BTUtiful traditional design and craftsmanship of yesteryear, the Chappee cast iron "Floreal" is the ideal radiator choice for a "classy" finishing touch in period buildings, or a spectacular contrast in contemporary settings. The "Floreal" is supplied in "old grey" natural shade but of course can be painted in any colour of your choice to enhance/complement your particular setting.

Despite it's traditional origins, the "Floreal" is a very efficient and effective heating medium and is available in a range of sizes.

To see the full range of BTUtiful cast iron radiators, drop in to the Hevac showroom today.



Hevac Limited

Keep Cool When The Heats On!

Thermocraft (Ire) Ltd is a new company established to distribute the Nippondenso Moving Cool range of air conditioners.

One of the first products to be made available is the SF15 spot cooler.

This 1.45kw unit, which has a cooling capability of 3830/k cal/h 15 200

U/h, simply wheels into position and is connected to a standard 240V mains socket. At the turn of a switch, the unit acts as a spot cooling system; air conditioner, and a dehumidifier.

Applications for the SF15 spot cooler are almost limitless and the units are already operational in many industrial and commercial premises throughout the UK, including computer rooms, kitchens, aircraft maintenance hangers,

Glen Dimplex "Revolutionary" Airconditioning System

A revolutionary new system of comfort airconditioning on the heat pump principle, fully developed and manufactured in Ireland, has been launched by the Glen Dimplex Group on the home market as a first phase of a world-wide marketing programme. The system is being manufactured at one of the group's subsidiaries, Bitech Engineering in

Dunleer Co Louth.

The first 45 units have already been ordered for installation in Dublin.

Branded as the Dimplex Sandpiper Environmental System, it was developed over the last two years in a joint venture with Jim Tangney, the originator of the concept.

Crossflow Airconditioning has been appointed exclusive Irish distributor.

Mr Desmond O'Malley was the guest of honour at the official launch at the Berkeley Court Hotel on Thursday 4th June last while Crossflow introduced the Sandpiper system to specifiers and buyers at a 2-day presentation in Sachs Hotel approximately a week later.

• BSNews will carry a comprehensive feature on Dimplex Sandpiper in our next issue.

production areas, offices, etc. The main advantage of the spot cooler is its portability.

Compressors are manufactured by Toshiba and are guaranteed for three years. All other parts are guaranteed for one year of normal operation.

So when the heats on talk to Thermocraft. Tel: 01 2840845. Fax: 2840407.

Barlo Group Plc Changes

Due to the continued expansion at Barlo Group, two new premises have been acquired. All main Group activity will now be directed from the New Group HQ at 30 Leeson Park, Dublin 4.

The Radiator Division — comprising both Barlo and Merriott — is also moving

to new larger premises at No:2 Broomhill Business Park, Broomhill Road, Tallaght, Dublin 24. These new premises have become necessary as a result of increased sales and the introduction of the new Merriott stock range.

A direct line to the newly-created customer services department has also been introduced. Direct contact can be made via Tel: 052-22553; Fax: 052 22195.

MITSUBISHI AT MOUNT JULIET



Mitsubishi Electric Golfing Society played the superb Mount Juliet course in May, with over 77 participants enjoying an excellent day's golf in perfect conditions. Pictured above are Damien Kane, ATC and Society Captain; John Brogan, Coolrite Refrigeration and overall competition winner; and Michael Sheehan, Manager, Mitsubishi Electric Air Conditioning Division.



Also at Mount Juliet with Mitsubishi Electric were PJ Killigrew; Bill Noone; Joe Brennan; and Tom Blount. They are pictured with Mike Sheehan, Manager, Mitsubishi Electric AC Division.

Employers Advice Line

David Gannon has over 20 years experience in dealing with employee relations matters.

Those years of experience were gained in the Federated Union of Employers (9 years); Clerys (2 years); and

Switzer Group (11 years). He is now operating as an independent personnel consultant in all areas of business. He is also a serving member of the Employment Appeals Tribunal.



Dismissal — Fair or Unfair

Burden of Proof is on Employer

At the best of times, dismissal can be an unsavoury business. It is made more daunting by virtue of the fact that the Unfair Dismissals Act, 1977 & 1991, lays on the shoulders of the employer the onus of proof that the dismissal was not unfair. However, it is worth noting that the Act lays down a number of headings which, if the dismissal results from one of them, render the dismissal not unfair.

Interestingly, the Act never refers to fair dismissal — it refers only to a dismissal as being unfair or not unfair. It is presumed that a dismissal is unfair unless and until the employer proves the contrary to be the case.

Dismissal — Not Unfair

The act lays down the general principle that a dismissal would not be unfair if, having regard to all the circumstances, there were substantial grounds justifying it. The use of the word "substantial" means that it can be open to interpretation as to whether or not the grounds for dismissal were substantial. This frequently becomes a matter for the Employment Appeals Tribunal to decide on.

A rule of thumb way of looking at this is to pose the question — are the grounds sufficiently serious to justify a decision leading to a most serious event in the working and social life of the individual involved?

In addition to the above general principle, the Act also sets out the following more specific considerations which, if a dismissal resulted wholly or mainly from one or more of them, would render the dismissal not unfair:-

- (a) The capability, competence or qualifications of the employee for carrying out the work for which he was employed;
- (b) The conduct of the employee;
- (c) The redundancy of the employee;
- (d) The employee being unable to work in the position which he held without contravention of a duty or restriction imposed by any law or statutory instrument.

Clearly, in the case of (a) and (b) the general principle of substantial grounds applies. The question must always be posed in cases where these factors arise — "has the capability/competence/qualification/conduct of the employee sufficiently and seriously deviated from the norm such that dismissal with all its

serious consequences is justified?"

This means that all reasonable alternatives of retraining, transfer to other suitable work or opportunities to reform, should be considered and explored — with an important emphasis on the word "reasonable". For instance, the possibility of re-deployment or retraining is greater in a large employment than in a small tightly-run employment.

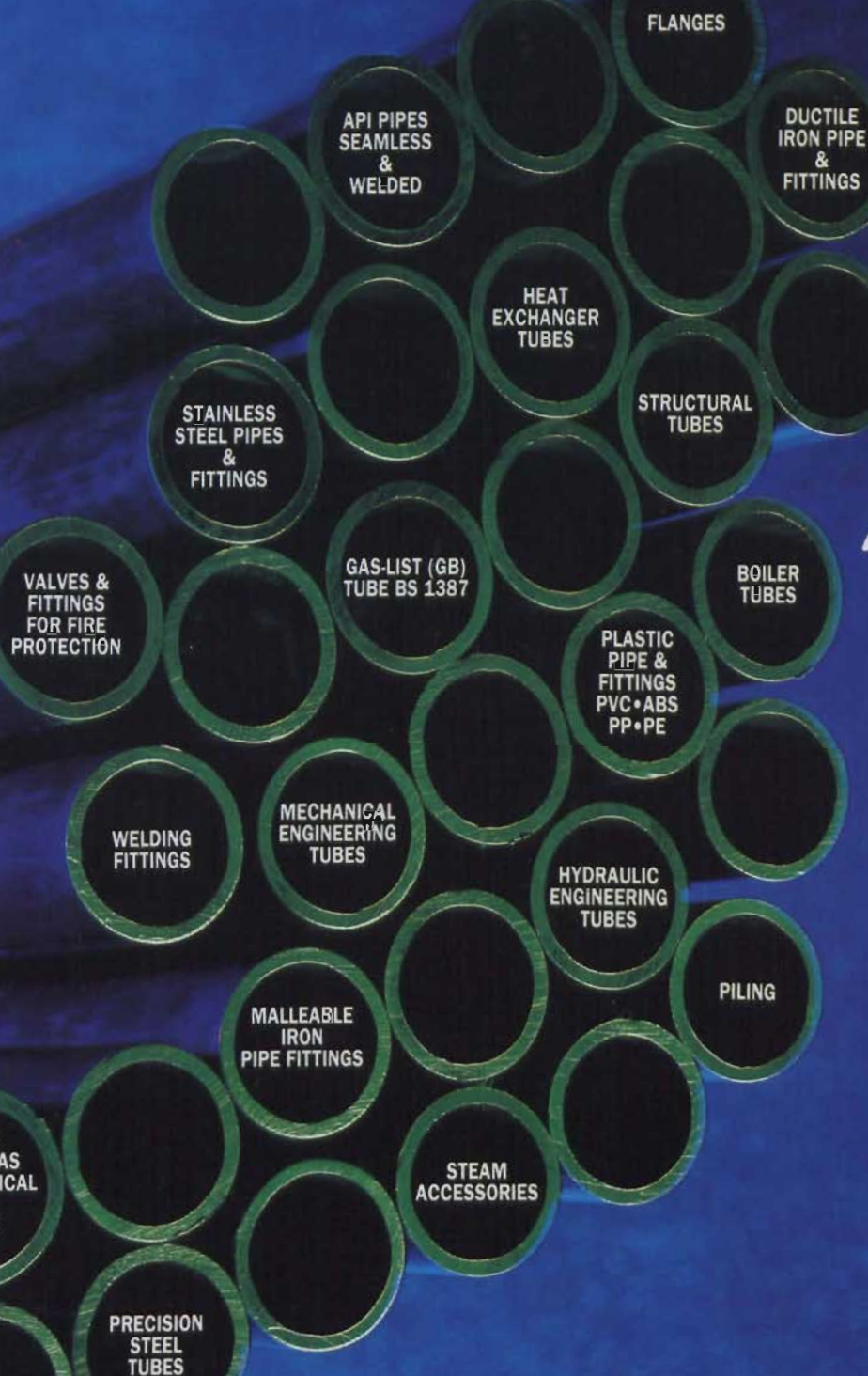
Equally, it may be perfectly reasonable to decide that retraining is not a practical proposition in a small employment and, consequently, that a dismissal is not unfair in that particular set of circumstances.

Redundancy Dismissal

A dismissal arising from redundancy is not unfair with the proviso that the selection for redundancy was made in accordance with the procedure agreed with a Trade Union or, where no such agreement exists, in accordance with custom and practice unless there were special reasons justifying a departure from that procedure. The key element here is that it is at the point of selection for redundancy that the unfair/not unfair consideration arises.

These more specific considerations noted above are reasons which may justify a dismissal; they do not provide automatic reasons for dismissal since they are required to be substantial and justified. Which brings us back to the onus of proof being on the employer.

The other strand of justification which requires consideration is that of the procedures used in the decision-making process leading up to the dismissal. This will be considered in detail next month.



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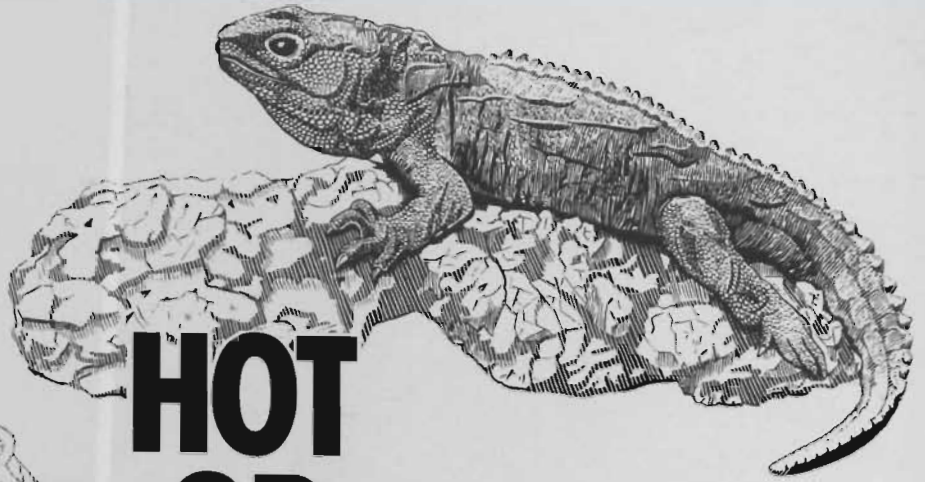
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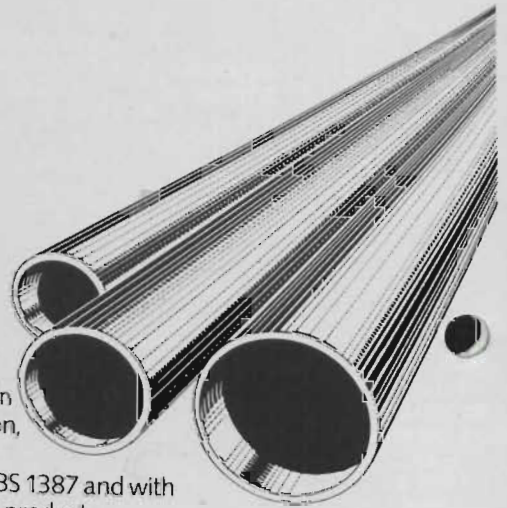
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Quality, Service & Reliability

These are the principal attributes of the Tube Company of Ireland Ltd, a sister company of Hevac Ltd, established specifically to provide guaranteed ex-stock availability of tube and related accessories for virtually every conceivable industry sector.

While a clearly-identified niche business, the diversity of applications serviced demands a knowledge of — and an ability to cater for — an extensive and wide-ranging number of industries.

The Tube Company of Ireland Ltd has that strength in depth, especially in the persons of Managing Director John English and Director/General Manager Tony Kavanagh.

Both have extensive experience in the tube and related accessories sector. Equally so, they have built up a team of similarly-experienced personnel and provided them with a product portfolio which is unrivalled.

Hence the enviable reputation of the Tube Company of Ireland Ltd for reliability, service and quality. A key ingredient of the foregoing is

the flexibility built in to the system. The company has gained something of a “Wells Fargo” reputation because of the lengths it will go to to ensure on-site delivery to suit the client.

Total capability — not just in tubes but in associated valves, fittings and controls — has become the hallmark of the Tube Company of Ireland Ltd. This commitment is very much in evidence at the company's warehouse base in Dublin's Dorset Street where large quantities of stock are held on a permanent basis.

Product is sourced from a number of suppliers throughout Europe, the composition of the supplier base being structured in such a way as to eliminate the danger of dependency on a single source for any one particular product.

However, what all product has in common is that it fully complies with the necessary relevant Specifications and Standards, be it BS, API, ASTM or DIN.

“Total capability” has also become a byword for the service provided by the Tube Company of Ireland



**John English,
Managing
Director (far left)
and Tony
Kavanagh,
Director/General
Manager**



Paul Dunne, Financial Director with Declan Kissane, Credit Manager.

The company has gained something of a “Wells Fargo” reputation because of the lengths it will go to to ensure on-site delivery to suit the client.

Ltd. Industry sectors covered include mechanical services, structural engineering, oil and petrochemical, food and drink, agricultural fabricators, sprinklers, furniture manufacturers, water, sewage and gas.

Additionally, many of the aforementioned have specialist needs. Such

applications very often demand conformance with especially-stringent Standards but here again the Tube Company of Ireland has established a reputation for itself as a reliable supplier.

This is especially so for applications involving aggressive and/or corrosive mediums, alternatively high-pressure/high temperature applications where the company is extremely well-placed to offer appropriate alloy or other exotic materials in pipes of varying diameters, wall thicknesses and specifications.

While a relatively new company in itself, the Tube Company of Ireland Ltd has a basis going back over a great number of years. As already stated, John English and Tony

Kavanagh worked together in the tube business for more than 20 years before Mr English acquired Hevac Ltd from the then owners.

He subsequently incorporated tubes, valves and fittings into the Hevac portfolio but realised very quickly that it was an industry which warranted its own specialist supply vehicle. The growth of the business fully justified this assessment and it was with this in mind that Tony Kavanagh came on board.

This evolutionary development of the tubes, valves and fittings side of Hevac's trading was such that plans to formalise the establishment of a separate company were brought forward. Hence the formation of Tube Company of Ireland Ltd.

Consequently, while on the face of it the company appears a fledgling operation, the reality is that it has a depth of experience and knowledge which would surprise even the longest-established suppliers to this particular market sector.

Plans for the present are to consolidate this position, the intention for the future being to move to purpose-designed premises so that the service to customers can be improved still further.

- A detailed breakdown of the relevant areas of application served by the Tube Company of Ireland Ltd are contained elsewhere in this publication. Also included is a brief product directory.

Tube Company Of Ireland Ltd Divisional And Product Review

In the following pages, it is hoped to give the reader some feel for the depth and scope of the range of product available from Tube Company of Ireland Ltd. The company has a wealth of knowledge and talent within its ranks with an approximate cumulative 200 years of expertise across its sales and managerial staff.

Pat Fitzpatrick, South Eastern/ Midlands Area Manager with Peter Lynskey, Western Area Manager and Tom Cashman, Southern Area Manager.

It is not the intention of the company to be all things to all people, but in the products and areas of involvement as indicated hereafter, it is the ambition and commitment of the company to provide an unequalled level of service and support to customers and specifiers.

This feature is intended to demonstrate our stocking and supply capability. We are deliberately not setting out to recite the supply capability of particular producers, or manufacturers, or the



OUTOKUMPU

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BIG CHIEF DRINKING WATER.


NATIONAL STANDARDS
AUTHORITY OF IRELAND
ISO 9000 (ISO 300 Part 2 1987)
CERTIFICATE NO M.122
Approved for use with
Irish Copper IS: 238 Size 15-54mm

Water Byelaws, now in force, ban the use of fittings with lead solder in potable water systems. This has brought Triflow Potable (TP) fittings into their own.

All are clearly marked **TPΔ** to provide instant proof that they are nominally lead free. Your customers will find this highly reassuring. And the Water Authority's inspector will know, at a glance, that you're not speaking with forked tongue when you say the job's been done according to regulations!

Quite obviously, TP fittings are perfect for systems which supply water to baths, basins, sinks, standpipes, etc. But since they're as simple to use as regular solder-ring joints, and cost pretty much the same, there's no reason why you shouldn't standardise on them for every job — and save yourself time and trouble in the process.

When it comes to joints for potable water systems, TP is destined to be the big chief. (Dare we say that nothing else is apache on them?).

 **TRIFLOW POTABLE**



Sales and Office Administration – Mary Hoey, Colm McLoughlin and Clement Tuttle.

merits or otherwise of particular brands for us in Tube Company of Ireland.

Our ability to service material from the most competent, efficient and reliable manufacturers worldwide is the cornerstone of our commitment to deliver to you, the customer, the service you demand.

Having said that, it is the stated policy of the company to stock only products that comply with all the required standards and specifications.

Valves

If pipe and tube are the medium for transmitting various fluids, gases, etc. in all their varying specifications, then the necessity for valves to control, isolate and

regulate the flow of the aforementioned is even more critical.

It is therefore important to have the ability to provide a level of technical support, information and data to prospective customers, and Tube Company Of Ireland Ltd is especially conscious of this requirement, with a separate division specialising in the stocking, procurement and sale of a wide range of valves to exacting standards and specifications.

Typical stock range items include cast iron gate globe and check valves in sizes 2" upwards; and cast steel valves in various executions and pressure ratings for the oil and petrochemical industry, as well as applications in steam, power generation, oil and gas transmission etc.

The Division is particularly well-equipped to respond speedily and

competitively to all valve requirements in H & V systems and general mechanical and building services applications.

So, whether you need a simple low pressure gate valve or a high-pressure/high temperature regulatory valve to operate at pressures of 5-bar or 100-bar, the Valves Division is ready and eager to respond to your enquiry or order.

Pipes, Tubes & Steel

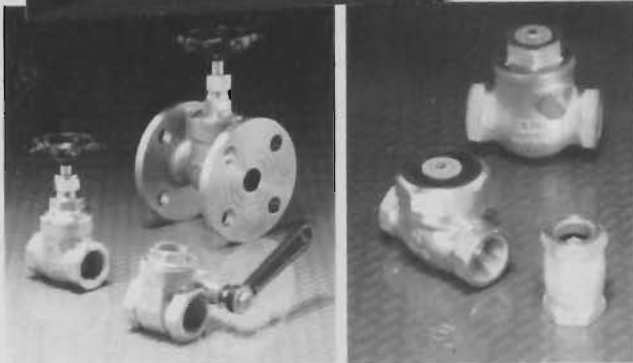
Elsewhere in this publication there is a detailed listing of the specifications normally stocked and sold by our company.

We believe that the range of products offered by us from a stockholding position, compares favourably with any competitor in the marketplace. Approximately 2000 tonnes to varying specification in sizes from 1/4 " to



ENGINEERS VALVES

FOR QUALITY AND RELIABILITY ALL ALONG THE LINE



TURN TO PEGLER

When it comes to specifying engineers' valves that will never let you down, the Pegler range presents an open and shut case.

A range which offers a wide choice of globe, gate and check valves (in gun metal, brass or dezincification-resistant metal) to suit many different applications.

A range manufactured to stringent quality control standards BS 5750 Part 2, ISO 9002 and EN 29002 for a long, trouble-free life.

And a range which benefits directly from Pegler's 90 years' commitment to excellence.

So for valves that give you a watertight guarantee of quality, turn to Pegler.



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Tel: 0302 368581. Telex: 547166. Fax: 0302 367661.

A · WATERTIGHT · GUARANTEE · OF · QUALITY

TUBECO



20" are normally available ex-stock, including welded steel tube; Black/galvanised to BS 1387, seamless and welded pipe to API specification, together with a range of pipe for structural, mechanical and precision engineering applications.

Fittings

Comprehensive stocks of malleable iron pipe fittings, flanges, welding fittings and forged steel fittings are available ex-stock from the Dorset Street Premises. In fact, our stock levels are probably the best in the country at prices that are most competitive.

Some thousands of fittings in the above category are sold every day throughout the country and the computer control of this high volume item, for the most part ensures ex-stock availability.

Even for very unusual specification non-stock items, our association with overseas producers and stockists will normally ensure availability and delivery within the customers requirements.

Stainless Steel Pipes and Fittings

Tube Company of Ireland Ltd is a relatively new entrant to this market, and over recent months has concluded a number of agreements with various producers and stockists in Britain and Europe and is well equipped to respond to orders and enquiries from this section of the industry.

Initially, the company is concentrating its efforts on the chemical and related industries but it is also active in the food, drink and dairy industry.



Seamus English, Sales Representative, North East with Jim Slattery, Sales Representative (Consulting Engineers and Mechanical Services Contractors).

Water

Water is a commodity that most of us take for granted. To many it is no more than the simple turning of the tap without a lot of thought given to the sourcing, delivery, control and monitoring of the volume, quality and condition of this wonderful natural resource.

Tube Company of Ireland Ltd, through its Valves and Tubes Division, has a considerable expertise in this field with products to meet the requirement of Local Authorities and complying with all the necessary standards and by-law requirements.

Products handled in this area include: ductile iron, plastic and steel pipes, together with a range of fittings and valves to suit.

At this time the company is developing its existing range of products in this area to include water meters; specialised anti-siphon valves; double-check valves, etc, etc.

Quality Assurance

Increasingly, manufacturers and suppliers are today having their companies Quality Assurance certified and many Irish manufacturers have achieved this status under the aegis of ISO 9002.

Tube Company of Ireland are already well advanced in progressing towards winning this important certification.

However, Tube Company of Ireland have a very comprehensive Quality Assurance/product certification scheme already in place. All products sold by the company conform to the appropriate specification or norm, whether it is IS, BS, DIN, API, or ASTM, and all purchase orders and instructions placed with suppliers/manufacturers by Tube Company of Ireland insist on the supply of goods to the appropriate standards.

Copies of the specific product certification and certificates confirming compliance with same are maintained in the company's records and are available as additional security and confidence to customers and specifiers.



PRODUCT INDEX

The detailed extent of the product range is vast, so much so that it would be impossible to present the specifics in the space available here. Consequently, this product index comprises a listing of the most popularly-supplied products.

TUBES

- Gaslist Tubes BS 1387 • Carbon Steel Linepipe Seamless & Welded to API, ASTM, DIN2448 Specs
- Mechanical/Heavy Wall Tubes DIN 2448/1629 • Boiler Tubes Seamless DIN 17175 carbon and alloy qualities, ST 35.8/ 1-111, 15 MO3, 13 CR MO 44, etc. • Seamless Cold Drawn Boiler Tubes DIN 2391/17175, Welded boiler tubes qualities R ST 37.8 DIN 17177 • Low Temperature Tubes ASTMA333 • E.R.W. Precision Steel Tubes, Round, Square and Rectangular DIN 2394, DIN 2395 • Polyethylene Gas Pipe • Structural Hollow Sections
- Strainless Steel Tube & Fittings

FITTINGS

- Malleable Iron Pipe Fittings black and galv to BS 143/1256 • Carbon Steel Seamless Butt Welding Fittings to ASTM A234 GR WPB • Primofit Compression fittings black and galv • M/I Single Pipe Rings, S.T.W Brackets, backplates to BS 1494 • Wrought Iron Fittings to BS 1740

FLANGES

- Forged carbon steel flanges to ANSI B16.5/ 1988 material ASTMA 105.87A Normalised, weld neck, slip on, blind • M.S. Flanges to BS 10/1962 T.E. Black and Galv, slip on, screwed, blind. • M.S. Plate Flanges to BS 4504, slip on, blind. Stainless and alloy steel flanges

VALVES

- Cast Iron Valves to BS 5153/BS 5150 Flanged gate, swing check. • Double reg valves
- Bronze/Brass screwed BS21 gate globe, non return BS 5154 • Radiator Valves for copper and PB to BS 2767 - 10
- Control Valves: Relief, Pressure and Reducing According to specifications/duties. • Cast Steel (stainless – carbon and alloy) to various specifications in a full range of sizes.

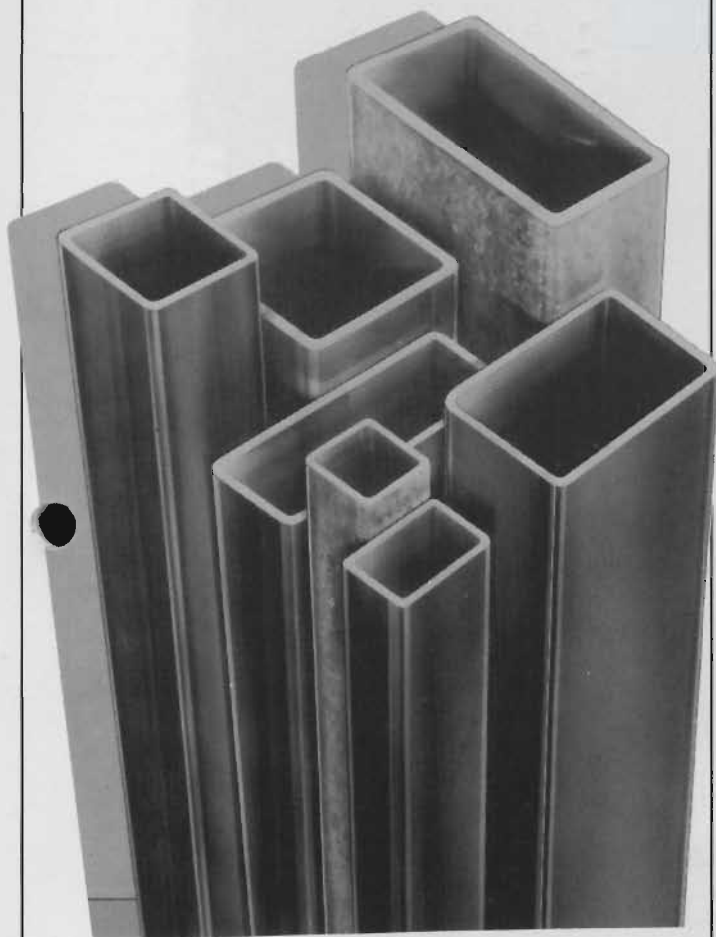


Tube Company of Ireland Limited,

69/77 Dorset Street, Dublin 1.

Tel: 01- 301499; Fax: 01- 304177

Total Capability in Quality Steel Tube



**Tube Company
of Ireland
Limited**

High quality valves

CRANE

Crane Fluid Systems is one of the leading manufacturers of valves for heating and ventilating applications.

All popular types are manufactured including:

Radiator

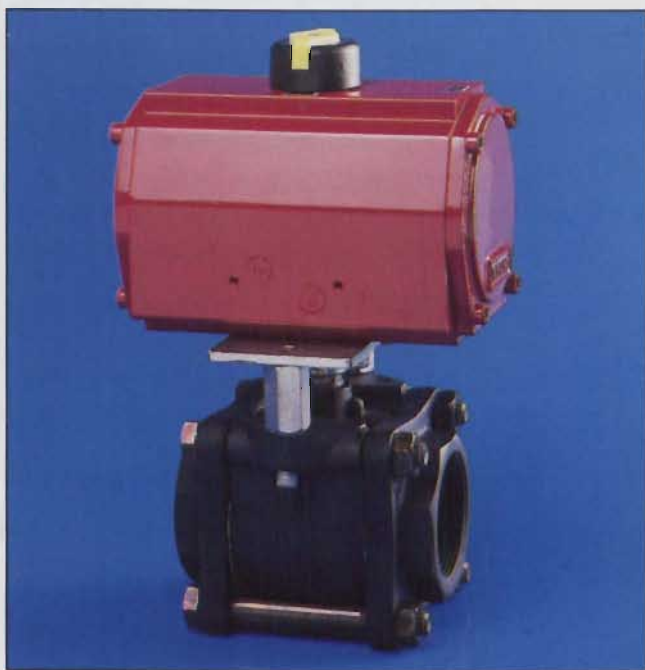
- *Suitable for cast iron and pressed steel radiators.*
- *Durable.*
- *Rugged construction.*
- *Range includes D881 angle pattern double regulating valve.*

Flow Measurement and Regulating

- *Fixed or variable orifice.*
- *Conforms to BS7350.*
- *Threaded or flanged.*

Valve/Actuator Package

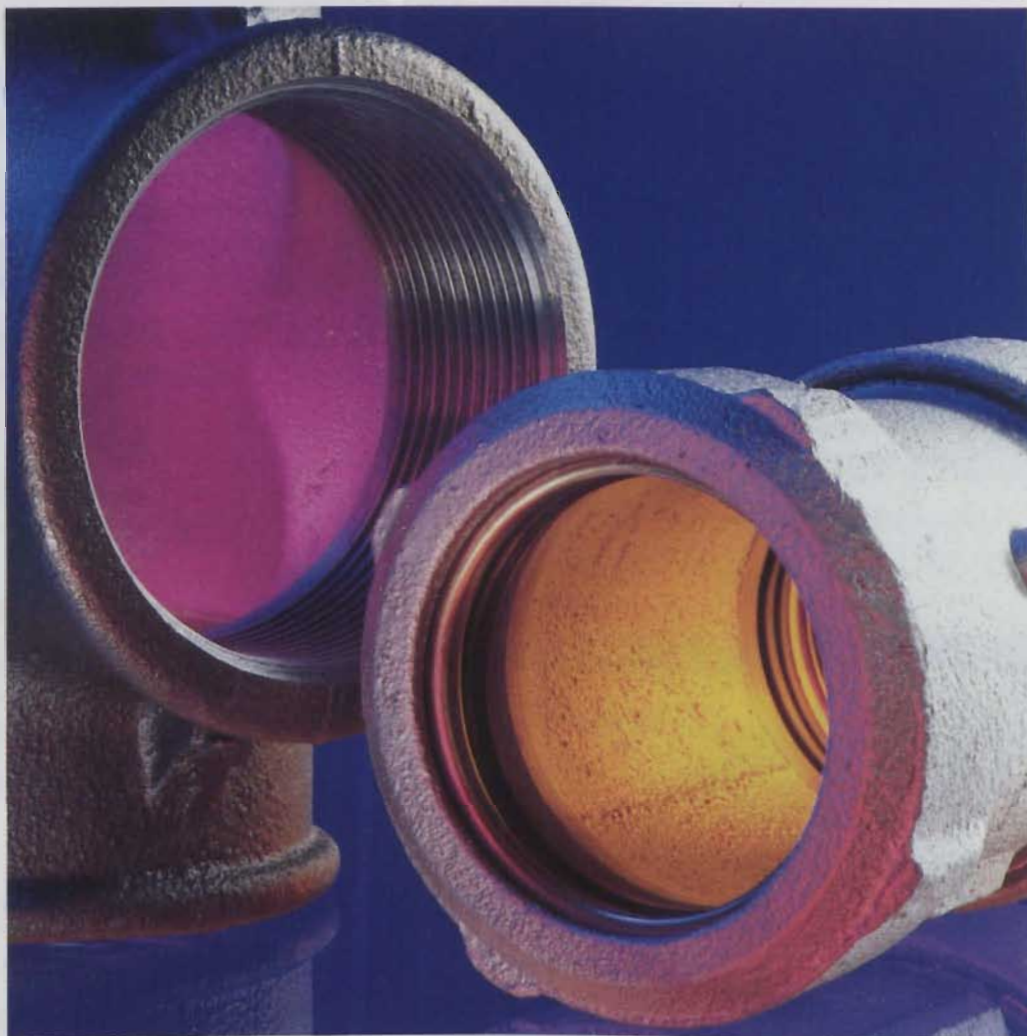
- *TITAN valves and TROJAN actuators.*
- *Pneumatic and electric option.*
- *Carbon and stainless steel valves.*
- *Available as a package or individually.*



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Malleable Iron Pipe Fittings



George Fischer is one of Europe's leading manufacturers of malleable iron fittings. +GF+ Malleable iron fittings have been made in the Group's British foundry at Bedford since 1933, but the first fittings production by George Fischer started in 1865 at Schaffhausen in Switzerland. By that time the name Fischer was already

widely known and respected in the iron industry, for the business started by Johann Conrad Fischer in 1802 was founded on a belief in sound engineering and good workmanship. Today, the George Fischer Group, whose products are renowned throughout the world, is an impressive testimony to its founder's principles.

GEORGE FISCHER +GF+



TUBE CO

69/77 Lower Dorset Street, Dublin 1. Tel: 01-301499 Fax: 01-304177

**Tube Company
of Ireland
Limited**

BTU GOLFING NEWS



Overall winner Brendan Keaveney with BTU Captain Shay Kearney and Brian Tobin, Davies.



Class 1 winner Michael Carroll with Shay Kearney and Brian Tobin



Front 9 winner Des O'Sullivan with Shay Kearney and Brian Tobin



Back 9 winner Pat Dunphy with Shay Kearney and Brian Tobin



Class 3 winner Bill Penrice with Shay Kearney and Brian Tobin



Class 2 winner John Ennis with Shay Kearney and Brian Tobin

Bill Penrice To The FORE!

Pity poor Mick Matthews. There he is, glad to be in the draw for the second round of the Matchplay, when he hears the name of Bill Penrice come out against his. No, it's not that anyone has anything against Bill or playing with him, it's simply that his performances of late — especially given his handicap — make him virtually impossible to beat.

As we went to press the evidence to hand suggested that his recent run is set to continue. He had just won the IDHE annual outing in Newlands with an excellent score of 42pts (see page).

Enjoy it Bill... no one begrudges you your present good run.

Clontarf — Sponsors: Davies of Fairview

Davies of Fairview sponsored the recent outing in Clontarf Golf Club. The playing conditions were perfect with in excess of 60 participants enjoying a glorious day.

Scoring was fairly impressive with Brendan Keaveney emerging as the overall winner with 39pts (playing off a handicap of 12).

As is customary for Davies, the prizes were exceptional with the meal afterwards — despite having to be held in the Hollybrook Hotel because of renovation work at the Clontarf Clubhouse — proving equally impressive.

Other results were as follows:-

Class 1 — 1st: Michael Carroll, 39pts, H8; 2nd: Bernard Sweeney, 39pts, H6; 3rd: Michael Matthews, 34pts, H7.

Class 2 — 1st: John Ennis, 36pts, H12; 2nd: Peter Reynolds, 34pts, H15; 3rd: Brendan Bracken, 32pts, H15.

Class 3 — 1st: Bill Penrice, 37pts, H27; 2nd: Denis Brown, 35pts, H17; 3rd: John White, 31pts, H17.

Back 9 — Pat Dunphy, 19pts, H11; 2nd: Tom Scott, 18pts, H19.

Front 9 — Des O'Sullivan, 18pts, H12; 2nd: Michael Melligan, 18pts, H12.

Visitors — D Wilkinson, 34pts, H20; 2nd: Matt McKeon, 30pts, H20; Eamonn Prendergast, 28pts, H10.

National Championships

This year the BTU National Championships take place at the St Pierre Club in Chepstow, England, on 25 June next.

Two teams of 12 are travelling from Ireland and we wish them well in their effort to regain the trophy.

Bord Gais have generously presented all team members with pollovers while the matching shirts were provided by Grundfos and H R Holfeld.

BSNews, May/June 1992 11

RHCA — Managing for Survival

Delegates attending the Registered Heating Contractors Association Annual General Meeting and Conference in the Talbot Hotel, Wexford, last month experienced a somewhat novel and refreshing mix of social and business activities.

The organisation of the entire proceedings — from arrival and check-in at the hotel through to

the golf competition, AGM, Conference, trade show and Annual Banquet — was exceptional. Everything went like clockwork, without being restrictive or regimented.

The social activities proved most enjoyable with Tom Scott turning in a fine performance on the day to take the Perpetual Trophy.

Sponsors

Bord Gais was the principal sponsor.

However, equal emphasis was placed on the business activities with the AGM and Conference generating a great deal of discussion and debate as to the future of the industry and, more importantly, as to how to survive the current severe recession.

Speakers urged delegates to adopt a more professional approach to managing their businesses with the issue of both the giving of — and taking of — credit high on the agenda.

RHCA Chairman Brendan Pluck

pulled no punches when he advised his fellow-members that they had a duty to honour their commitments to their suppliers by settling their accounts in full, and on time, while he also took suppliers to task for issuing credit facilities to those contractors whom he referred to as “men of straw”.

Another matter raised was the need for adequate insurance cover, delegates being advised that the RHCA now has a specially-negotiated EL & PL Group insurance policy which can be availed of by all members.

Future plans discussed included a more vigorous membership drive and the creation of a nationwide branch structure.

Trade Show participants were rewarded for their support with virtually all the contractors in attendance taking the time to visit each and every stand to discuss the products on display and even more wide-ranging topics and issues of relevance.

The RHCA also took the unprecedented step of inviting suppliers' personnel to attend the AGM. This is a most unusual practice but one which reflects once again the “open door” policy of the Association.

The clear message from the conference was that the



Bernie Leech with Martin McManus of Balfont Engineering.



Jimmy Kelly with Orla Rowse and Kevin Wallace, Redmond Insurances



Billy Redmond with Senator Avril Doyle and Kevin Wallace



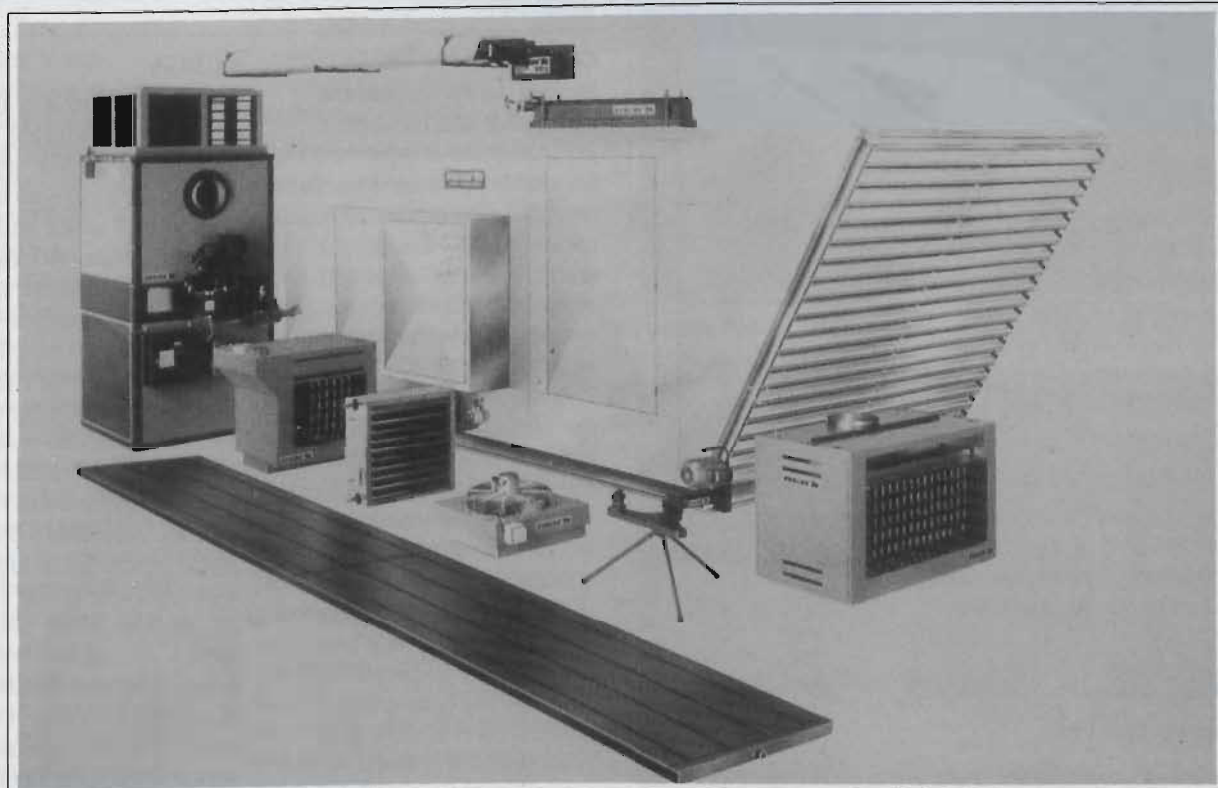
Brendan Pluck, RHCA Chairman with Pat Curran, Euro Gas and Eamon Drummond, RHCA Committee member

RHCA Officers

Chairman — Brendan Pluck; Secretary — Jimmy Kelly. Officers — Dave Harris, Kieran Reynolds, Eamonn Drummond and Dave Cranston.

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Cabinet heaters, unit air heaters, air handling units, radiant heating, destratification units, industrial heating equipment, pipe bending machines



GS/GC and Cabinet Heaters:

Standing and suspended air heaters, from 18kW to 400 kW.

Calflo:

Direct fired air heaters from 71 kW to 1000kW.

Tanner:

Warm water unit heaters from 1kW to 100kW.

Eco-Fans:

Ventilation units for re-circulation and extraction, from 4000 to 8000 m³/hr standard, or any air volume on request.

Infra:

High and low temperature radiant plaque and tube heaters, from 7kW to 38kW.

Infra Aqua:

Warm water panels.

Pipe Bending Machines:

From 3/8 inch to 6 inches.

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QUALITY SYSTEM

DUBLIN OFFICE:
Maurice Byrne
01-2839156

Mark Eire B.V.

Coolea, Macroom, Co. Cork, Ireland.
Telephone: 026-45344/45367 Fax: 026-45383
Dublin Office: Phone/Fax: 01-2839156

entire industry needs to tighten its manner of trading, especially in the face of the current difficulties.

There was also a strong call for credibility, honesty and integrity to be re-introduced

to the business.

Senator Avril Doyle was the guest speaker at the Banquet and she reiterated much of the sentiments expressed throughout the business sessions.

Trade Show Participants

Hevac; Davies of Fairview; H&V Sales; Grant Engineering; Euro Gas; Heatequip; C&F; Fingal Heating; Redmond Insurances; Heatmerchants.

Barlo and Gerard Kelly & Co also contributed to the weekend.



Sean Giffney with Brian Manning



Tony Kearns with Sean Lynch



Anne Drummond with Rita Harris



Anne Redmond with Orla Rowse

ADVANCE SALES LEADS

Newmarket Information, the Dun Laoghaire-based construction information company, provides advance information on new construction projects nationwide -- all potential leads for contractors, sub-contractors and suppliers. The company publishes information in the weekly CIS report which provides full project details, contact names, addresses and telephone numbers, design team details and tendering and construction schedules. The following listing is provided by CIS Report and gives a brief description of the types of projects covered. To obtain information on the service phone 01 - 2809476/2809557.

CORK:

Euro-Asia Development Company Ltd has been granted planning permission for site development works on a 58-acre site including estate roads, sewerage water, gas, electrical and telephone infrastructure connections and siteworks at Ringaskiddy, Co Cork. The work will also involve the construction of four industrial buildings, totalling 12,500 sq for light industrial use with associated warehousing, offices, servicing and car-parking areas. The proposed vehicular access is from Ringaskiddy to Shanbally Road with a temporary construction access only from Baranhely Road.

The Euro-Aisa Consortium, known as the Euro-Asia Investment Holding Company Ltd includes five of Taiwan's top 100 richest people. The light industry companies which will operate from the premises will include electronic and telecommunication companies. The Taiwanese estimate that the project will lead to the creation of 2,000 jobs including some 400 building jobs and the balance in the completed factories. The company has also taken an option to purchase a further 110 acres where the company has future plans which could create an additional 3,000 jobs.

DUBLIN:

Coca Cola Bottlers Ireland has sought planning permission for the erection of a single-storey tours room and related office and additional car parking on the Western Industrial Estate, Knockmitten Lane, Dublin 12. The function of the proposed tour room is to provide an assembly point for visitors to the plant (mainly school children who arrive and depart in a special bus) where they are given promotional material and a sample of the product on the tour of the plant. The offices are related to the promotion and distribution of the product and it is for this reason it is distinctively styled from the existing joining buildings. The single storey building, measuring 195 sq m.

Carragh Enterprises Ltd has sought planning permission for the reconstruction of a portion of the estate into sixteen units for warehousing storage and light industrial use at Castleforbes Industrial Estate, 27-69 Upper Sheriff Street, Dublin 1. The single-storey units, measuring 3,171 sq m will be built in steel frames and will be situated on a 5,050 sq m site.

Mallinkrodt Medical the United States healthcare company, has sought permission for the construction and operation

of a healthcare product manufacturing facility at Damastown Industrial Estate, Damastown, Mulhuddart, Dublin 15. The proposed development will consist of the following elements:

Administration building — The two-storey administration building measuring 1,541 sq m will include 595 sq m first-floor; 938 sq m ground-floor and 18 sq m of existing stairway and will be part single and two-storey. A single pedestrian link connects this building to the process/warehouse block. The building will be 8.5 meters high and will be built in a concrete frame with reinforced concrete columns.

Process and warehousing building — The two-storey process building measuring 3,720 sq m will include a ground floor measuring 1,599 sq m; a first floor measuring 1,599 sq m; and an existing stairway and lobby measuring 72 sq m, 14.5 metres in height. The building will be constructed in a steel frame with wall cladding with silver grey banding running horizontally. The single-storey warehouse building measuring 800 sq m will be built in a steel frame and used to store raw materials and finished goods.

Utility and maintenance building — The single-storey utility and maintenance building will measure 1,680 sq m with a plan area of eight metres high and will be built in a steel frame with horizontal reverse profiled wall cladding.

Ancillary Buildings — The ancillary buildings will comprise a single-storey security house measuring 40 sq m and three metres in height and built to match the administration building. The ancillary buildings will also include a fire/process water pump house measuring 128 sq m and a

water control house measuring 172 sq m.

The new Dublin plant is expected to manufacture a contrast media product used in x-rays, known as Optiray. Dublin was chosen above Askeaton in Limerick and a number of other European sites. Mallinckrodt already has a subsidiary Mallinckrodt Laboratories in Athlone, which employs 500 in the production of medical tubes and catheters. Mallinckrodt Medical is based in St Louis and is part of the **IMCERA** (International Minerals and Chemicals Corporation) of Northbrook, Illinois.

Eight new general storage warehouses and offices are planned for Alexandra Road, 3 Branch Road South, Dublin Port, Dublin 1, for **Moyglare Holding Ltd.** The single-storey warehouses, measuring 10,831 sq m in total, will include two-storey office accommodation and will be situated on a 15,064 sq m site. The units will be built in steel frame with reinforced concrete walls and will be similar in design and size.

GALWAY:

Management Consultants and Developers, **J Cormican and Associates** have been given the go ahead by the planning authorities for the change of use of a bakery to a light industrial warehouse for manufacturing, storage and general industrial use at Lydon House, Seamus Quirke Road, Galway, costing £250,000. The unit will measure 1,600 sq m.

KILDARE:

Contractors were recently appointed for the structural steel and sprinkler systems in connection with the major new tableting and packaging operations being developed at the former **Polaroid** factory at Little Connell, Newbridge, Co Kildare for **Wyeth Ireland Ltd.** manufacturers of baby food.

The proposed development will involve the change of use of some existing buildings and the demolition of one block and its replacement by a new three-storey block and minor ancillary works. The work will also involve the refurbishment of a warehouse unit and an office unit. **Courtaulds Engineering Ltd** in partnership with **Pierse Contracting** will carry out the construction and refurbishment work. Construction started four weeks ago and will be completed in April 1993.

John Sisk and Son Ltd started work in mid-March on the construction of a £6 million food processing plant, including offices and ancillary buildings, at Monread North, IDA Industrial Estate, Monread Road, Naas, Co Kildare for **Poldys Fresh Foods.** Sub-contractors have been appointed for the mechanical, electrical, structural frame and cladding work and a domestic sub-contractor has been appointed for the groundworks.

The single-storey unit will measure 6,308 sq m and will include office accommodation and a production area. Construction work will be completed in February 1993. Over 320 new jobs will be created in the manufacturing of a new range of pizza products aimed at high growth segments of the frozen food market in the UK and Europe.

LIMERICK:

John Sisk and Son Ltd of Limerick started work recently on an extension, costing between £3 and £3.5 million, to the existing costume jewellery manufacturing factory at Wolfburgess West, Rathkeale, Co Limerick for **Desmond Creations Ltd.**

The extension will comprise extra production space and will be completed by January 1993.

LOUTH:

Ballyholme Foods Ltd has been granted planning permission by An Bord Pleanála for the development of a new £50 million integrated food processing industry at Corbollis, Ardee, Co Louth. The new venture is being led by Frank Cosgrave and Ballyholme Foods Ltd and is expected to create 300 jobs directly and to create up to 200 new jobs on farms which will supply the turkeys for the processing facility, within the next five years. Ballyholme Foods will be a fully integrated operation involving turkey breeding, dedicated satellite farm production in 260 units mainly in the North East region, slaughtering and processing. The project will be located on a 35-acre site at Ardee which has already been acquired and it hopes to construct a major 10,615 sq m facility although it has yet to be decided what the construction plans and schedule will be. The fixed investment in buildings at the Ardee plant, which is supported by the IDA, totals £27 million.

TIPPERARY:

Work is to begin shortly on the erection of a food processing factory at Lisbunny, Co Tipperary for **Tipperary Fresh Foods Ltd.** The single-storey unit, measuring 1,350 will be built in a concrete frame and will involve fabrication and production space to the ground floor with staff facilities and offices on the second floor. The two-storey office block will be built to the front of the proposed single-storey development. Work on the £1 million project is due to start in September and will take nine months to complete.

PRODUCT REVIEW

Instruments and Controls

Space Age Technology at Down to Earth Prices

Coster, manufacturers of H&V controls, was founded in 1967 by Antonio Magri, a pioneering electronics engineer involved in the launching of artificial satellites. The products, although of sophisticated design, are easy to install, user friendly and very reliable. The rapid expansion of the company into an established market reflects its capacity to out-perform competition by control of costs and an innovative approach to design.

Over 120 Products — Coster's new catalogue details 124 control products, summarised as follows: Boiler controls — sequencing controllers and thermostats; Heating controls — thermostats, compensators, electronic



Examples from the extensive Coster range available from Quadrant.

controllers, detectors; Hot water controls — temperature controllers and mixing valves; Solar heating — differential temperature controllers; Air conditioning — temperature controllers, RH controllers, fan-coil controls; Gas safety — leak detectors; Energy metering — electronic meters, calorie counters, industrial metering; Actuators and valves — valve actuators, air damper actuators, gas solenoid valves, ball type zone valves, butterfly and slipper valves, seat valves; Detectors for temperature, smoke and humidity, remote controls, leak sensors.

Units cover the domestic, commercial and industrial markets.

Gas Safety Leak Detectors — Quadrant Engineers hold a substantial stock of Coster control equipment including one of the largest range of gas detectors in Ireland for domestic, commercial and industrial applications.

Slam shut valves are stocked from 1/2 to 6" with pressure ratings up to 4Bar depending on valve size. On the domestic front an inexpensive low-voltage valve and detector unit is available for gas boilers, fires and other

THERMO FLASH TX



The "INTELLIGENT" TEMPERATURE REGULATOR



- Hot water heating control specially adapted for home application.
- Adjusts water temperature flowing from the boiler according to outside temperature.
- Allows room temperature to be taken into consideration.
- Easy installation : 2-wire connection between room control unit and boiler control unit. Room control unit powered by a 1.5VDC battery.
- The inertia of the installation is taken into consideration :
 - high inertia (floor heating, cast iron radiators) :
 - low differential - low inertia (aluminium or steel radiators) : high differential.



CHRONOTHERM CONTROLS LIMITED

70 AMIENS STREET, DUBLIN 1.

TELEPHONE: 742214. CAR PHONE: 088-553703. FAX: 365609.

PRODUCT REVIEW

Instruments and Controls

gas appliances.

For commercial buildings the Coster 3 channel controller has proved very popular for large industrial projects while Quadrant also supply multi channel controllers which monitor CO gas and smoke.

Details from Quadrant Engineers Ltd, Chapelizod, Dublin 20. Tel: 01 - 6265711; Fax: 01 - 6267863.

Flash From Chronotherm

Instruments specialists Chronotherm Controls Ltd have a wide-ranging product portfolio catering for many applications. However, the Flash range is what the company is perhaps best known for.

Included are as many control devices as there are applications.



Flash central heating time control programmer. Details from Chronotherm Controls.

Detailed here are three products from expansive Flash collection.

The first is the Flash programmer 3100 series of central heating time controls. Features include clockwise or anti-clockwise setting showing time of day; 2 or 3-position switch to independently select heating and/or hot water depending on the model. Versions include 1-channel central heating only and 2-channel central heating and hot water; Neon indicators on 2-channel versions; 24-hour and 7-day versions available; All models set with fixed tappets, no pegs to lose.

The second is the Thermo Flash TA 56000 series of 2-wire clock thermostats for hot water central heating. These electronic thermostats combine with a programming clock and automatically maintain two temperature levels — comfort temperature and reduced or

New Introductions from Woodleigh Ltd

Wodeleigh Ltd stock a comprehensive range of pressure switches, pressure sensors, thermostats, flow switches, temperature sensors, humidity sensors, HVAC controls, valves & actuators, data loggers and pneumatic controls.

Brand names represented include Electro Controls; Belimo Automation; Axion Data Loggers; and KMC Pneumatics.

Recent new introductions include the following:-

Valve linkage kits— Woodleigh are now able to offer a linkage kit that fits the Belimo range of actuators to lift and lay valves of many manufacturers;

Seat valves — A range of seat valves is now in stock for LPHW applications. The valve body utilises the new seat valve linkage and Belimo actuator range. Sizes are from 15mm to 100mm, screwed or flanged. Woodleigh also stock the ESBE range of rotary valves, complete with Belimo actuators and linkages.

Smoke detectors — The Kreuter smoke detector for HVAC duct applications is now available from stock. The units are completely self-contained and are simple to set up on site. Each unit has a test button, two alarm outputs and one fault condition output. LED indication of status is visible with cover on;

Pneumatics — Woodleigh are also stockists of the Kreuter range of pneumatics. There are some new additions to the range such as E or I to P converters and rotary pneumatics damper actuators. All the Kreuter range of equipment is ex-stock USA, the time of ordering to delivery in Ireland taking only 10 days. This is a considerable improvement on normal pneumatic controls deliveries of 8-10 weeks.

Full details from Woodleigh Ltd, Ballingate, Carnew, Co Wicklow. Tel: 055 26523.

nighttime temperature.

Features include daily or weekly programming by analogue clock with captive setting tappets, or by electronic module containing precoded programmes which may be altered by the user; Static output allowing passage of a current regardless of the state of the thermostat ensures operation of the thermostat and keeps the battery charged to maintain the power reserve for the clock.

The third is the top-of-the-range Thermo Flash TX57000 series.

"Intelligent" temperature regulator. This unit was specifically designed for individual hot water circulation heating installations.

Adjustable slope determines correct compensation between external temperature and the output temperature.

The unit is permanently maintained at ideal level to provide comfort while ensuring optimum heating efficiency with minimum consumption.

Control by internal temperature allows automatic adjustment in case of warmth and accelerated heating following cool periods.

Three versions are available and all include a regulation box to be installed close to the boiler; a room control box; an outside sensor; and a heating outlet sensor.

News Fash — Latest addition to the Flash range is a selection of room thermostats — both mechanical and electronic versions — which are now available ex-stock.

Details from Chronotherm Controls Ltd, 70 Amiens Street, Dublin 1. Tel: 01-742214; Fax: 01-365609; Carphone: 088-553703.

Manotherm: The Instruments Specialists

Established in 1958 and long-recognised as Ireland's instruments supermarket, Manotherm has a wide range of unique, high-quality instruments and data logging equipment for virtually every requirement.

Manotherm offers unrivalled experience in traditional instrumentation such as dial thermometers and pressure gauges, coupled with an up-to-the-minute understanding of the market requirements in the communications and electronics field, and long serving staff with application knowledge unprecedented in this country.

Leading brand names represented include process controllers from West Instruments; RF admittance systems from Drexelbrook Engineering; high-

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PRODUCT REVIEW

Instruments and Controls

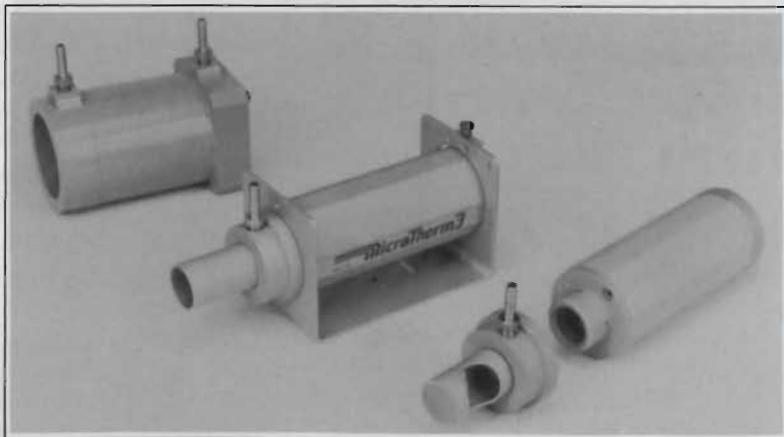
quality flow and pressure transmitters from ITT Burton; high-quality bi-metal and gas-filled thermometers; and conditioning models from PR Electronics.

Land Infrared is another leading name in the Manotherm portfolio with an extensive range of instruments and controls.

Last Year was for Land Infrared an exceptionally busy year with the launch of several new fibre optics thermometers, new application dedicated systems and, of course, the two new major developments — Cyclops TI 35 thermal imaging system and the LS1 and LS2 infrared linescanning systems.

Cyclops TI 35 is a thermal imager specifically intended for industrial use. It is a fully portable, ergonomically designed, and provides thermal scanning and temperature measurement in the range -20 to 1500 Deg C.

A range of optional accessories enable



The Land Micratherm 3, a radiation thermometer, from Manotherm.

the TI 35 to be expanded from just a shoulder or tripod-mounted imager into a full recording and diagnostic system to allow detailed analysis of measurement data.

The Land FRP is a high temperature ratio thermometer incorporating a sealed 3.5 metre long fibre optics light guide linking the optic head, which is focusable from 200mm to infinity, to the detector/amplifier unit.

FRP thermometers are intended for applications in tube welding, and rod and wire manufacturing where small (and wandering) target capability is essential, as well as in rotary cement

kilns, blast furnaces and rolling mills.

Also available from Manotherm is the Anville Instruments Services 410 data acquisition system.

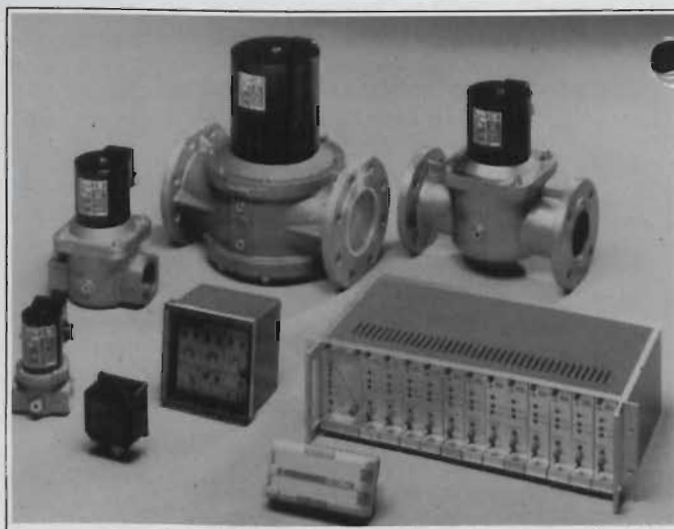
Much more flexible than a chart recorder, much simpler to set up than a PC plug-in card, the Series 410 gives all the advantages of computerised data display and data handling in a compact, economical and reliable unit.

Details on the foregoing —plus a vast number of other high-quality instruments and controls — are available from Manotherm Ltd, 4 Walkinstown Road, Dublin 12. Tel: 522355. Fax: 516919.

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NEW PRODUCTS

CARRIER 19X FROM WALKER AIR

Walker Air Conditioning has announced the availability of the Carrier 19XL hermetic centrifugal chiller, which is designed for use with refrigerants HCFC22 or HFC134a.

Designed to ASME codes and constructed to eliminate refrigerant leaks, these new positive pressure machines will ensure that air and other non-combustibles cannot enter. Consequently, time-consuming purging, with its consequent loss of refrigerant, is unnecessary.

Installation is made easier by the smaller footprint of this equipment, the compact design being 30% smaller than negative-pressure chillers of comparable capacity. For ease of installation, the chillers may be split into sections.

The 19XL operates at capacities between 11230 and 1750kW. It features high-speed turbine technology originally developed for jet engines. The use of a new aerodynamic tunnel diffuser ensures optimum efficiency under all operating conditions.

Additional design features combine to ensure careful and consistent control of refrigerants. Optional isolation valves store refrigerant in the condenser or the cooler during service. Brazed joints provide tight seals with flare connections are used for service joints only.

An optional storage tank and pump out system is available for refrigerant containment in the case of multi-chiller installations. The use of O-ring seals of an aircraft quality design on the hermetically sealed compressor eliminates leaky gaskets.

Details from Walker Air Conditioning Ltd, Dublin Industrial Estate, Finglas Road, Dublin 11. Tel: 01-300844; Fax: 01-308578.

LANDIS & GYR HEATING CONTROLS

Landis & Gyr has launched a new generation of central heating programmers and timeswitches

designed for reliability and ease of use. The RWB100/200 series covers all standard requirements and comprises five controllers — daily and 5-day/2-day timeswitches; daily and 5-day/2-day programmers; and a miniprogrammer.

The products are second generation electronic heating controls with the emphasis on ease



Landis & Gyr's RWB100 daily timeswitch for heating control from Asea Brown Boveri.

of operation. Each model has a clear uncluttered and permanently-illuminated display which makes them suitable even when installed in dimly-lit areas (such as airing cupboards). Programme selection is via sliders rather than buttons, enabling the operating mode to be seen at a glance.

An internal battery provides back-up for programme settings in the event of a mains power cut but, in line with expected European regulations, the battery can be easily removed for separate disposal at the end of the unit's life.

The new models join Landis & Gyr's electromechanical RWB2 and RWB30 programmer and timeswitch, together with the complete range of motorised valves, thermostatic radiator valves, cylinder and room thermostats and programmable room thermostats.

"MULTI-PASS" HEAT RECOVERY

2S Airchangers Ltd has introduced a new domestic and small commercial ventilation with heat recovery system. All Airchanger products use the company's newly-developed and patented high-efficiency "multi-pass" heat recovery concept.

Developed by MD Martyn Todd (previously a Senior Design Engineer with Rolls-Royce and General Motors), the 8-pass P17 recovers up to 85% of heat from stale extract air.

The Airchanger P17 has been developed specifically to meet alternative provisions in the latest UK Building Regulations. These allow extractor fan and trickle vent requirements to be replaced by continuously operating whole house ventilation.

The system works by extracting warm, moist, polluted air from the wet rooms (kitchen, bathrooms, utility rooms) via ducting to the Airchanger plate heat recovery unit usually located in the roofspace. The heat recovery process transfers heat from the stale extract air to a separate flow of fresh incoming air. The fresh warmed air is then supplied to bedrooms and living rooms. Airchanger systems provide controlled ventilation with minimum heat loss.

Airchanger multi-pass heat recovery units and casings are formed out of aluminium, to avail of the excellent heat transfer characteristics and to ensure against corrosion.

The only moving parts in the system are two fans. To ensure reliability, Airchangers incorporate quality Ziehl EBM centrifugal fans proven in Scandinavian systems over the past 15 years.

Market research identified noise as a problem with some systems. Airchanger systems are well-insulated and fan boxes are separate from the heat recovery unit to avoid resonance. In addition, silent transformer controls are recommended.

The Airchanger P17 unit measures 550mm by 550mm by 620mm and is suitable for buildings up to 550 cu/mtr. Systems are usually supplied as a complete kit of parts, heat recovery unit, fans, controls, ducting, grilles and air valves. The company provides a free design layout and quotation service.

Details from 2S Airchangers Ltd, Edgar Industrial Estate, Carryduff BT8 8NB. Tel: 0232 815155; Fax: 0232 815150.

Computerised Heat Loss Calculation

At a recent IDHE technical evening in Clyde Road, Dublin 4, Barlow and Merriott Radiators made a presentation covering developments within the company, including the introduction of a computerised heat loss calculation and radiator selection programme.

The meeting was opened by Oliver Fitzpatrick, Sales Manager of Barlo Sales Ltd, who gave a history of Barlo's activity since they commenced radiator manufacture in Clonmel in the 1960's. Mindful of changes in the marketplace, he said that Barlo recognised the need to create a separate division within the company to cater for the special needs of the specification and commercial market while continuing to adapt to the ever-changing needs of the domestic market.

At this point Oliver handed over to Frank Donohoe who was

invited by Barlo to establish this division in November 1990. However, it was the acquisition of Merriott Radiators in August 1991 which finally gave Barlo the product they had been looking for. Barlo are now in the unique position of having a radiator suitable for both the domestic and specification markets.

Frank pointed out that this acquisition created new problems in terms of the back-up supports required. It became necessary to computerise the issuing of all quotations to ensure a quick and accurate response to customer enquiries. As part of this response it became necessary to look beyond just a quotation system.

The result of these efforts is a computerised heatloss calculation system which now is nearing completion and was demonstrated by Frank with support from

Treena Caron who has recently joined the company as manager of their internal Sales Department.

The meeting was taken through a "typical" application to illustrate the simplicity and speed of the programme. As a PC-based system, the

allocated a project number which is printed on every page of the subsequent calculation sheets to simplify later identification.

At this point the programme prompts the current Building Regulations relating to U values for walls etc. The user has the option at this point to accept the values proposed or to input their own choice. If the user is unsure of the value of his building element, he can call up

answer various questions, for example: "is there glazing? Questions are asked in sequence for all other elements of the room type with options at all stages to change or correct input information on each line.

All details relating to room height, length, width, temperature, and ventilation rate are stored and do not need to be re-entered. The programme automatically adds them



IDHE members and guests discussing the computerised heatloss calculation and radiator selection system with Frank Donohoe.

Barlo/Merriott Heatloss System offers many features normally only available on more sophisticated packages.

On commencement of a calculation all projects are automatically

a pre-programmed schedule of values and descriptions from the programmes databases.

Having selected the correct u values appropriate to the project, the next option available is a selection of room types, eg; lounge, office, ward etc. Each room has its design temperature and ventilation rate indicated. Again these can be accepted or altered to suit.

The user then simply enters the relevant dimensions as requested and continues to the calculation screen. Again the programme requests the user to

in as required.

On completion of the heatloss calculation, the user has the option to select either Barlo or Merriott radiators or a mixture of both.

On completion of all calculation the system will request if boiler sizing is required.

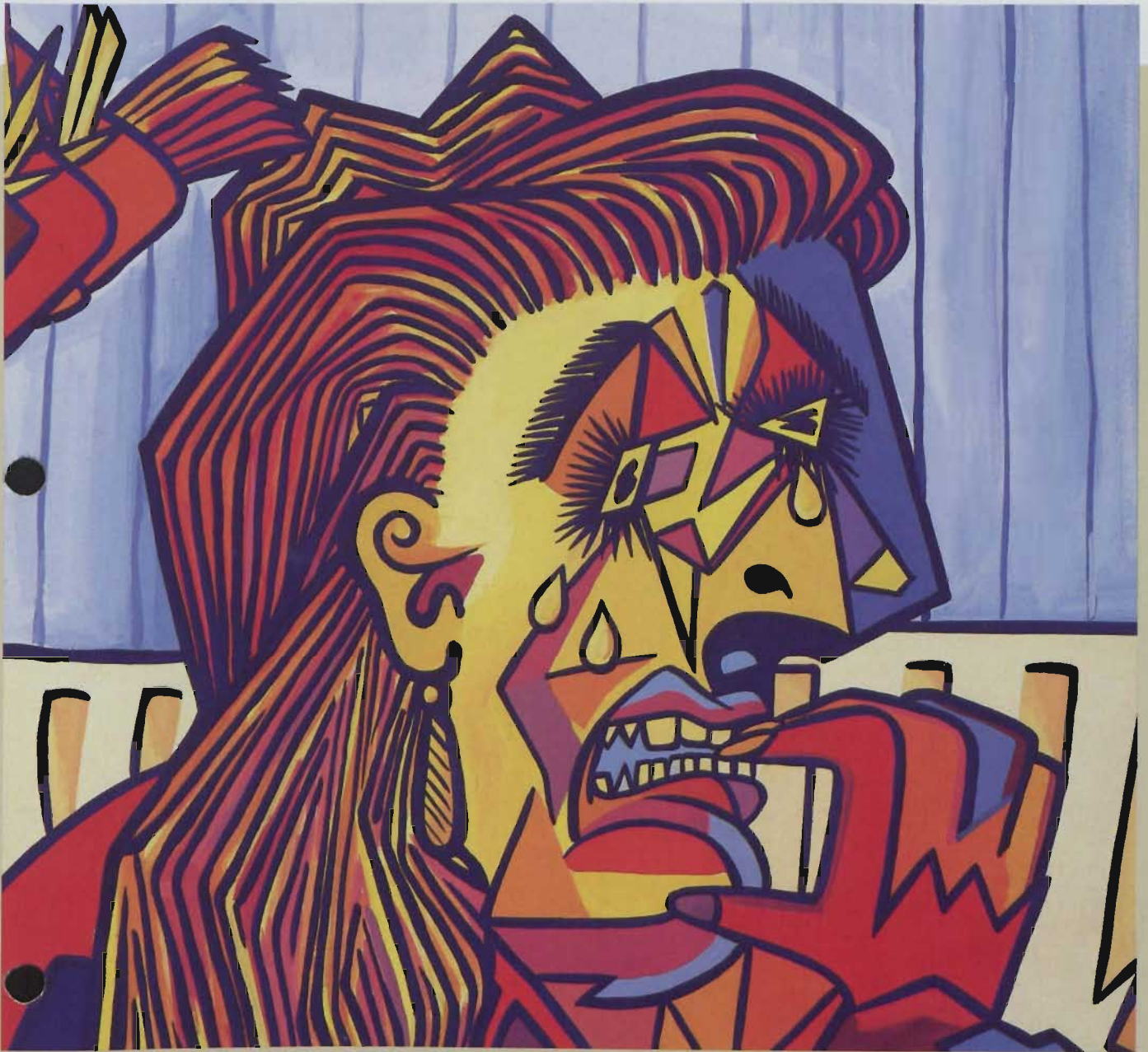
A feature of the system is that, once the calculation is finished, it is stored for later retrieval or amendment.

The system has been in use during its development within Barlo and will be available shortly, for distribution to customers.



Ollie Fitzpatrick, Sales Manager, Barlo Heating; Bill Penrice, Development Officer IDHE; Bob Smith President IDHE; Frank Donohoe, Sales Manager, Merriott Radiators; and Joe Noone, Chairman, IDHE.

AT LAST A NEW VALVE THAT CAN TAKE THE PRESSURE.



Potterton Myson, Europe's leading manufacturer of heating products, knows that reliability has to be a key factor when choosing motorised valves for modern central heating systems.

We are therefore proud to announce a new range of 2 and 3 port Myson valves which are manufactured in our own factory using up to the minute technology, ensuring the highest degree of quality and reliability.

This new generation of Myson valves includes all the market requirements - and the



added benefit of neon indicators that show at a glance which mode the valve is operating in, making it easier to install and use.

The fact that Myson valves are quick and easy to fit and fully compatible and interchangeable with the vast majority of competitor brands means they are ideal for both the replacement and new installation market.

So if you are looking for the ultimate in reliability, cost efficiency, compatibility and performance - relax. You've just found it.

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